

IDS 11/20/03

**FORM PTO-1449**

**INFORMATION DISCLOSURE STATEMENT**

Applicant(s) **TOAWA, K**  
For: **SPEAKER SYSTEM AND A METHOD FOR IMPROVING SOUND QUALITY**

Filing Date	Group
April 15, 1997	2747

**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
<i>[Signature]</i>	AA	4,398,619	08/16/1983	Daniel, R. L. S.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Sub-Class	Translation
	AK						Yes No
	AL						

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

AM		The Radio Technology, article from the magazine for audiophile, December 1, 1994.
AN		
AO		
AP		

EXAMINER *[Signature]* Date Considered *09/10/04*

EXAMINER reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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TO SEPARATE, HOLD TOP AND BOTTOM EDGES, SNAP-APART AND DISCARD CARBON

FORM PTO-892 (REV. 2-82)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		SERIAL NO. 28/373.250	GROUP ART UNIT 2608	ATTACHMENT TO PAPER NUMBER	6	
NOTICE OF REFERENCES CITED				APPLICANT(S) Tozawa				
U.S. PATENT DOCUMENTS								
•	DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE		
A	3 6 8 4 0 5 1	08/72	Hopkins	181	153			
B	2 9 7 8 9 4 1	09/76	Siebert	181	151			
C	3 3 2 7 8 0 8	06/67	Shaper	181	153			
D	4 7 5 0 5 8 5	06/88	Collings	181	156			
E	4 3 9 8 6 1 9	08/83	Daniel	181	199			
F								
G								
H								
I								
J								
K								
FOREIGN PATENT DOCUMENTS								
•	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB-CLASS	PERTINENT SHTS. DWG.	PP. SPEC.
L								
M								
N								
O								
P								
Q								
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)								
R								
S								
T								
U								
EXAMINER X. M. S.		DATE 9/1/04		BEST AVAILABLE COPY				
* A copy of this reference is not being furnished with this office action. (See Manual of Patent Examining Procedure, section 707.05 (a).)								

**FORM PTO-1449****INFORMATION DISCLOSURE STATEMENT**

Atty Docket

D-654CA

Serial No.

08/842,882

Applicant(s): TOZAWA, K.  
For: SPEAKER SYSTEM AND A METHOD FOR  
IMPROVING SOUND QUALITY THEREOF

Filing Date

April 15, 1997



Group

2747





**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Sub-Class	Translation
	AK	GB -A- 659818	10/31/1951	Great Britain			Yes No
	AL	DE-A- 3927178	02/21/1991	Germany			

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AM		Supplementary European Search Report in the European Patent Application No. 93900401.6 corresponding to the present application, including copies of the first pages of the references cited in the report.
	AN		Reference 1 (Remarks about GA-A-659818)
	AO		Reference 2 (Referential material regarding technical matters such as "voice coil impedance").
	AP		Official Communication dated October 5, 1999 from the EPO.

Examiner

Date Considered

EXAMINER: Initial if reference considered; whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

# *Notice of References Cited*

Application No.  
08/842,682

Applicant(s)

Katsutoshi Tozawa

Examiner

Xu Mei

Group Art Unit

2743

Page 1 of 1

## U.S. PATENT DOCUMENTS

*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
	A	1,975,201	08/1933	Elworthy	381	153
	B					
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

## FOREIGN PATENT DOCUMENTS

*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
	N						
	O						
	P						
	Q						
	R						
	S						
	T						

## NON-PATENT DOCUMENTS

*		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	U		
	V		
	W		
	X		

\* A copy of this reference is not being furnished with this Office action.  
(See Manual of Patent Examining Procedure, Section 707.05(e).)

TO SEPARATE, HOLD TOP AND BOTTOM EDGES, SNAP-APART AND DISCARD CARBON

FORM PTO-892 (REV. 2-82)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	SERIAL NO. 08/373,250	GROUP ART UNIT 2605	ATTACHMENT TO PAPER NUMBER 8
NOTICE OF REFERENCES CITED		APPLICANT(S) Tozawa		

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
A	1975261	08/33	Elworthy	381	153	
B						
C						
D						
E						
F						
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K						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB-CLASS	PERTINENT SHTS. DWG.	PP. SPEC.
L	0186191	08/85	JP	Fujiwara	181	151		
M								
N								
O								
P								
Q								

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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U	

EXAMINER Xu Men	DATE 9/1/04 10/02/06
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\* A copy of this reference is not being furnished with this office action.  
(See Manual of Patent Examining Procedure, section 707.05 (a).)